

Page 30, line 4, replace "8A" with --6A--.

Page 30, line 22, replace "8A" with --6A--.

Page 32, line 20, replace "8B" with --6B--.

Page 33, line 12, replace "8C" with --6C--.

Page 33, line 20, replace "8B" with --6B--.

IN THE CLAIMS

Please amend the claims as follows:

C1  
BX5

1. (TWICE AMENDED) A data controller of a peripheral device having a storage medium, the data controller comprising:  
a transfer extend generator that generates transfer extend entries for a data transfer between the storage medium and a host computer; and  
at least one retrieval channel coupled to receive the transfer [control] extend entries for programming the data transfer.

C2  
BX5

2. (AMENDED) A data controller of a peripheral device having a storage medium and a processor, wherein the data controller [that] minimizes interrupts to the processor by processing a plurality of sequential commands received from a host computer.

*B3*

4. (TWICE AMENDED) A peripheral device that includes a data controller, a microprocessor, a buffer memory, local memory and a storage medium, and *C* that is couplable to a host, wherein the data controller creates threads of [sequential] a plurality of commands and generates interrupts at the beginning and end of the plurality of commands relative to a data transfer.

*C3*  
*B4*

9. (AMENDED) The data controller of claim 8, wherein the status retrieval channel monitors a data transfer between a buffer memory in the peripheral device and [a] the storage medium.

11. (AMENDED) The data controller of claim [1] 10, wherein the at least one retrieval channel provides used read pointers to the first storage device for reuse.

*CH*

12. (AMENDED) The data controller of claim 2, further comprising a command queueing engine configured to arrange the plurality of sequential commands into at least one thread.

*B5*  
*Cont*

13. (AMENDED) The data controller of claim 12, wherein the command queueing engine [includes] comprises:

a transfer extend generator configured to generate transfer extend entries for a data transfer between the storage medium and a host computer; and